

ABSTRACT OF THE DISCLOSURE

Rigid polyurethane foams are described. The foams are made using a prepolymer that is the reaction product of at least one polyisocyanate component, at least one hydroxy-functional acrylate component, and at least one polyol component. The prepolymer is then reacted at specified volume ratios and isocyanate indices with at least one polyol component that includes at least one polyol that is a biopolymer, including but not limited to castor oil, soybean oil, and the like. The foam is made in the presence of at least one blowing agent and at least one catalyst.